TERM PAPER

SYNOPSIS COLLEGE MANAGEMENT SYSTEM

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ABSTRACT

This project is based on COLLEGE MANAGEMENT SYSTEM. It manages the college information, student information, placement information, various different types of event going on in our college. It also keeps track records of all the information regarding students those who are placed in the various organization. It has a notice board which contains information about various cultural or technical or any sports which is supposed to be held soon.

OBJECTIVE

The objectives of the system are -
- To reduce paperwork.
- Reduced operational time.
- Increased accuracy and reliability.
- Increased operational efficiency.
- Data security
- Reliable for student to create account and apply for job posts
- Placement head can maintain daily update
- New features can be added as per requirements

Key Words: PHP, SQL Server, HTML, JavaScript, Browser, college management, information system, document management system etc.

1 INTRODUCTION

This College Management System project developed using specific programming languages. The main aim of this project is to develop an online website which covers all the details of college i.e.; Student attendance details, Event details, Students fees transaction details, Marks details, Photo gallery, etc. Admin is the Super user of this project. All the record stores in MySQL Database. The proposed software will also reduce the cumbersome paperwork, manual labor as well as communication cost.

Present State:
- No Software present at all.
- Time consumed in accessing the records of the students.
- Manual creation of lists of eligible and not eligible students.
- More time taken to registration of students on registration forms.

After implementation of project:
- Easy to use GUI.
- Students can register online no rush for registration in Placement department.
- Report of students according to need.
- Burden of Placement cell decreases.
- Easy to maintain database and secured storage.

1.1 Main Modules of the System

1)STUDENT MODULE: - This module used to store student records. It contains the following information i.e. Students Profile details, Contact information, Educational details, etc. The Users can search the students from the database according to different criteria such as name, Course, Room number, etc.

2)PLACEMENT MODULE: - This module includes details regarding the placement of students in which company they are placed and when they were placed.

3)NOTICES:-It includes information about various events which is currently going on and which will occur in the near course of time. Notices helps in quick capturing of any occurring event.

4)REGISTRATION MODULE: - Report generation is also provided to view summarized detail regarding hostel fees and mess bill. It includes Hostel fees, Mess reports. Students can check hostel fees and mess bill by entering their Unique Hostel ID.

5)HOSTEL MANAGEMENT MODULE: - How to manage hostel various room and food facilities come under hostel management system.

6)ROOM ALLOTMENT MODULE: – This module will be allocated a room to students according to the student's education details, section either branch or course. A specific room will be allocated to a student and an ID will generate for it. Even it displays module: – This module which displays room fee structure records. Student dues or refund status and balance amount status can be accessed here.

7)MESS MODULE: – This module keeps track of all the transactions related a mess. The mess item expenditure for each student in the hostel is calculated and the mess bill for each student calculated and displayed.

8)ROOM FEES MODULE: - This module describes various fee structure of different years and the fee structure is different as on education qualification.

1.2 PRE-REQUISITES

1.2.1 TECHNOLOGY

1) PHP: Hypertext preprocessor is a server-side scripting language designed for web development, but also used as general-purpose programming language. It was created in 1994, it is now produced by PHP group. It can interact with many database languages including MySQL.

2) HTML: HTML is a hypertext markup language which is, in reality, a spinal cord of any website. Any website can't be structured without the knowledge of HTML. If we make our web page only with the help of HTML, then we can't add many of the effective features in a web page, for making a web page more effective we use various platforms such as static and dynamics methods. And here we are using this language to make our web pages more effective as well as interactive for users to understand. And to make our web pages dynamic we are using JavaScript and XML.

3) CSS: CSS in PHP Stands for (Cascading Style Sheet). Cascading style sheets are used to format the layout of Web pages. They can be used to define way of writing or style, size of various table, and other aspects of Web pages that previously could only be defined in a static page's HTML. The main work of CSS is to separate content of a web document (written in any markup language) that is written using Cascading Style Sheets. There are lots of benefits that one can extract through this like improved content accessibility, better flexibility and moreover, and hence gives a level of control over various presentation characteristics of the document. It also helps in reducing the problems and helps in saving access time. It gives the option of selecting various style schemes and rules according to the necessity.

4) JAVASCRIPT: JavaScript is the most famous scripting languages of all time. JavaScript is a Scripting Language of World Wide Web. The main usage of JavaScript is to add various Web function, validations, detections, a creation of cookies and so on. JavaScript is the best scripting languages and that is why it is adopted by almost all browsers. JavaScript is considered the most powerful scripting languages in present use. It is used for the client -side web development. JavaScript is used to make pages more interactive. It is a light-weight programming language and it is embedded directly into the

markup syntax. JavaScript, as the name defines, was affected by many languages, especially Java.

5) SQL(MySQL): It is a structured query language used for querying database. Its function is to control the data like storing and retrieving and data as requested by the software applications.

1.2.1 TOOLS

1)Visual Studio 2010: Microsoft Visual Studio is a powerful IDE that ensures quality code throughout the entire application lifecycle, from design to deployment. Whether you're developing applications for SharePoint, the web, Windows, Windows Phone, and beyond, Visual Studio is one of ultimate all-in-one solution.

2) MSSQL: -Microsoft SQL Server is a relational database management system developed by Microsoft. As a database, it is a software product whose primary function is to store and retrieve data as requested by other software applications, be it those on the same computer or those running on another computer across a network (including the Internet).

3. SCOPE FOR DEVELOPMENT OF THIS PROJECT:

The requirement of the user is to:

- Access/ Search information.
- Log in to the system through the first page of the application
- Change the password after logging the system
- View/change details.
- Can get help through the help option to view different property of the system.
- Students can give feedback for college/staff/any other student.
- An admin login should be present who can read as well as remove any uploads

4. RESULTS

- Login Form: The system starts with a login page where the registered user can enter username and password to be able to access
- Registration form: The user has to go for the registration form for doing registration.
- The significance of project is to automate the Placement process of the institute.
- There is no worry of checking the Placement department time to time.
- Placement cell also can create lists on the basis of requirement of company.
- Placement reports i.e. Company wise, Branch wise Package wise report etc.

5. CONCLUSIONS

This paper assists in modifying the existing system to site based system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower required. It provides accurate information always. Malpractice can be reduced. All gathered and extra information can be saved and can be accessed at any time. The data which is stored in the project helps in taking intelligent and quick decisions by the management. So it is better to have a Web-Based Information Management system. All the stakeholders, staff members can get the desired information without delay. This system is essential in the colleges/hostels and universities

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